

Claims

What is claimed is:

10. (ORIGINAL) A method for providing a transaction layer for a module having at least one node connected to a serial bus that configures a link device for each of said at least one nodes comprising:

- detecting a link driver;
- receiving capabilities of said link driver;
- generating a link driver configuration for said link driver from said capabilities of said driver; and
- loading said link driver configuration into said link driver.

11. (CURRENTLY AMENDED) The method of claim 10 further comprising[:
]_querying said link driver for said capabilities.

12. (CURRENTLY AMENDED) The method of claim 11 further comprising[:
]_receiving said capabilities of said link driver from said link driver.

13. (CURRENTLY AMENDED) The method of claim 10 further comprising[:
]_storing said capabilities of said link driver.

14. (PREVIOUSLY AMENDED) The method of claim 13 wherein storing said capabilities comprises:

- generating a node in a linked list for said link driver; and
- storing said capabilities of said link driver in a data field of said node.

15. (CURRENTLY AMENDED) The method of claim 10 further comprising[:
]_receiving configuration information for said link driver.

16. (CURRENTLY AMENDED) The method of claim 15 wherein generating said link driver configuration comprises[:

- _]generating said link driver configuration from said capabilities and said configuration information.

17. (CURRENTLY AMENDED) The method of claim 15 further comprising:
]storing said configuration data.
18. (ORIGINAL) The method of claim 17 further comprising:
generating a node in a linked list for said link driver; and
storing said configuration information of said link driver in a data field of said node.
19. (CURRENTLY AMENDED) The method of claim 10 further comprising:
]receiving an input of user defined configuration data for said link driver.
20. (CURRENTLY AMENDED) The method of claim 19 wherein generating said link driver configuration comprises:
]generating said link driver configuration from said capabilities and said user defined configuration data.
21. (ORIGINAL) A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to provide a transaction layer for a module having at least one node connected to a serial bus that configures a link device for each of said at least one nodes that performs a method comprising:
detecting a link driver;
receiving capabilities of said link driver;
generating a link driver configuration for said link driver from said capabilities of said driver; and
loading said link driver configuration into said link driver.
22. (CURRENTLY AMENDED) The program storage device of claim 21 wherein said method further comprises:
]querying said link driver for said capabilities.
23. (CURRENTLY AMENDED) The program storage device of claim 22 wherein said method further comprises:
]receiving said capabilities of said link driver from said link driver.

24. (CURRENTLY AMENDED) The program storage device of claim 21 wherein said method further comprises[:

]storing said capabilities of said link driver.

25. (ORIGINAL) The program storage device of claim 24 wherein said step of storing said capabilities comprises:

 generating a node in a linked list for said link driver; and

 storing said capabilities of said link driver in a data field of said node.

26. (CURRENTLY AMENDED) The program storage device of claim 21 wherein said method further comprises[:

]receiving configuration information for said link driver.

27. (CURRENTLY AMENDED) The program storage device of claim 26 wherein generating said link driver configuration comprises[:

]generating said link driver configuration from said capabilities and said configuration information.

28. (CURRENTLY AMENDED) The program storage device of claim 27 wherein said method further comprises[:

]storing said configuration data.

29. (ORIGINAL) The program storage device of claim 28 wherein said method further comprises:

 generating a node in a linked list for said link driver; and

 storing said configuration information of said link driver in a data field of said node.

30. (CURRENTLY AMENDED) The program storage device of claim 21 wherein said method further comprises[:

]receiving an input of user defined configuration data for said link driver.

31. (CURRENTLY AMENDED) The program storage device of claim 30 wherein generating said link driver configuration comprises[:

]_generating said link driver configuration from said capabilities and said user defined configuration data.
